Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/11/2020 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124897	-1	2.57	124989	2.56
Blue	F	SSC	125000	124546	-1	2.63	125362	2.68
Blue	E	FITC	15892	15425	-3	3.16	337	21.18
Blue	D	PE	29999	29346	-3	2.31	638	15.48
Blue	B	PerCP-Cy5-5	43732	43678	-1	4.15	1174	21.31
Blue	A	PE-Cy7	30845	30532	-2	6.49	584	43.54
Red	C	APC	46112	45044	-3	2.62	1592	12.36
Red	A	APC-Cy7	30458	29274	-4	2.53	774	12.26
Violet	B	V450	7918	7525	-5	3.92	425	13.65
Violet	A	V500	32171	31131	-4	3.72	729	10.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17134	11.18	640	19	N/A	N/A	Pass
Blue	F	SSC	56813	2.04	578	19	N/A	N/A	Pass
Blue	E	FITC	62	67.39	553	10	0.0180	168	Pass
Blue	D	PE	134	51.50	559	11	0.1456	261	Pass
Blue	B	PerCP-Cy5-5	215	52.67	668	12	0.0083	73	Pass
Blue	A	PE-Cy7	107	109.24	712	14	0.0096	19	Pass
Red	C	APC	378	26.03	590	6	0.0236	168	Pass
Red	A	APC-Cy7	170	29.86	561	5	0.0054	1160	Pass
Violet	B	V450	65	62.17	458	0	0.0449	2025	Pass
Violet	A	V500	110	35.64	475	1	0.0228	1076	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.56	-32.14	1.06
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.95	13.60 - 20.40	N/A	N/A	29.55	29.97	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9842

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments